

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Alpinia officinarum*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
67	1,8-CINEOLE	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
5	BETA-ELEMENE	Rhizome	--	--		Wealth of India.
13	BETA-PINENE	Rhizome	--	--		Wealth of India.
9	CAMPHENE	Rhizome	--	--		Wealth of India.
41	CAMPHOR	Rhizome	--	--		Wealth of India.
9	DELTA-CADINENE	Rhizome	--	--		Wealth of India.
76	EUGENOL	Rhizome	90	400	-0.6979831170877149	
3	FLUORIDE	Rhizome	--	5.4	-1	
13	GALANGIN	Rhizome	1000	1000		
11	ISORHAMNETIN	Rhizome	--	--		Wealth of India.
5	KAEMPFERIDE	Rhizome	600	800		
75	KAEMPFEROL	Rhizome	--	--		
60	LIMONENE	Rhizome	--	--		Wealth of India.
53	LINALOOL	Rhizome	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
14	MANGANESE	Plant	--	--		
5	METHYL-CINNAMATE	Plant	--	--		
2	METHYL-ISOVALERATE	Rhizome	--	--		Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	P-CYMENE	Rhizome	--	--		Wealth of India.
1	PHENYL-ALKYL-KETONES	Rhizome	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
176	QUERCETIN	Rhizome	--	--		
2	QUERCETIN-3'-METHYLETHER	Rhizome	--	--		Wealth of India.
7	RHAMNOCITRIN	Rhizome	--	--		Wealth of India.
5	STARCH	Rhizome	200000	250000	-1.1706719629335678	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	TERPINEN-4-OL	Rhizome	--	--		Wealth of India.